

WATER PLANT STEAMFITTER/HVAC SPECIALIST

THE PURPOSE: Performing at the journey worker level, the Water Plant Steamfitter/HVAC Specialist installs, maintains, repairs, and removes steam piping systems, heating and ventilation systems, plumbing and process water piping, cryogenic piping systems, chemical feed piping systems, dehumidification systems and air conditioning systems and boilers.

ESSENTIAL FUNCTIONS:

- ◆ Performs preventive maintenance, repairs, and new installations for piping systems and appurtenances for the following applications: air, gas, water, steam, process chemicals, cryogenic and other fluids.
 - ◆ Replaces or repairs assemblies such as valves, gauges, hydraulic and pneumatic controls, pressure and flow regulators, backflow preventers, heat exchangers, and heating and plumbing fixtures.
- ◆ Performs preventive maintenance, repairs and new installations for heating, air conditioning, and other systems.
 - ◆ Re-charges air conditioning systems.
 - ◆ Handles refrigerant duties according to state and federal mandates.
 - ◆ Performs re-tubing, cleaning, makes burner adjustments, replaces gaskets, and maintains and tests low-pressure boilers and propane fuel systems.
 - ◆ Performs layout work, and tests and inspects completed work.
- ◆ Uses a computerized maintenance management system to maintain records of preventive and demand maintenance requests.
- ◆ Assists in keeping perpetual inventory of parts required to perform preventive maintenance and repair of HVAC and piping equipment.
- ◆ Makes equipment repairs using proper equipment lifting and handling techniques; erects scaffolding, operates overhead cranes, and sets up hitches as needed to perform these duties, with due regard to safety of personnel and equipment.
- ◆ Serves as lead worker by directing and inspecting the work of laborers, mechanics, and machinery technicians.
- ◆ Accurately and thoroughly documents work performed, writes procedures, and completes required departmental and governmental reports.

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.

MINIMUM REQUIREMENTS:

1. Five years of experience performing duties related to power plant mechanics, power plant steamfitting, or HVAC mechanics.

NOTE: *Equivalent combinations of education and experience may also be considered.*

2. A State of Wisconsin Department of Commerce Refrigerant Handling Technician Certification,

-OR-

 A State of Wisconsin Department of Commerce Backflow Preventer Inspection Certification.

NOTE: *The applicant must hold one of these certifications to meet the minimum qualifications and must obtain the other within six months of hire. The certifications must then be maintained throughout employment.*

3. A City of Milwaukee Stationary Engineer's permit to operate Low Pressure Boilers within six months of appointment and throughout employment.

Please attach to your application copies of the certification(s) and/or permit(s) you hold.
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4. A valid driver's license at time of appointment and throughout employment.
5. Residency in the City of Milwaukee within 6 months of appointment and throughout employment.

PHYSICAL REQUIREMENTS INCLUDE:

6. Ability to work at heights of up to 50-100 feet, in confined spaces and/or underground, at high noise levels, in all weather conditions, in close proximity to hazardous chemicals.
7. Ability to lift, maneuver and handle 50 lbs or more of equipment or material on a daily basis.
8. Ability to wear and use a self-contained breathing apparatus (SCBA) or other air purifying respirator.

CONDITIONS OF EMPLOYMENT INCLUDE:

1. The Water Plant Steamfitter/HVAC Specialist is subject to call-in for water system emergencies 24 hours a day.

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER CHARACTERISTICS:

1. General understanding of water purification plant system processes and pumping stations.
2. Knowledge of heating, cooling, and ventilating systems.
3. Knowledge of computerized maintenance management

- and computer-assisted diagnostic programs.
- 4. Specialized mechanical knowledge of the machines and tools required to perform the essential functions of this position: their designs, uses, repair, and maintenance.
- 5. Knowledge of preventive maintenance programs.
- 6. Manual dexterity.
- 7. Ability to perform rigging and crane/hoist assisted lifting procedures up to rated equipment capacity.
- 8. Ability to properly use gas and electric cutting and welding equipment.
- 9. Ability to inspect materials or equipment to detect defects or malfunctions.
- 10. Ability to read and comprehend work-related documents;
- ability to read, interpret, and work from blueprints, plans, and specifications.
- 11. Ability to clearly summarize work performed in writing.
- 12. Skill in performing mathematical operations.
- 13. Understanding of proper handling of hazardous chemicals.
- 14. Ability to work independently with minimum direct supervision as well as to function as part of a team.
- 15. Ability to direct the work activities of assigned personnel as well as to instruct them on safe equipment operations and procedures.
- 16. Strong interpersonal skills.

THE CURRENT PAY RANGE (SG 287) IS: \$46,421 - \$56,292 annually with excellent benefits. Based upon experience, appointment may occur above the minimum of the pay range, in accordance with the City of Milwaukee Salary Ordinance.

THE SELECTION PROCESS will be job related and will consist of one or more of the following: training and experience evaluation; written, oral or performance examinations; or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job. The examination will be held as soon as practical after **March 12, 2010**. Receipt of applications may be discontinued after this date without prior notice; however, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified by mail of the date, time and place of the examination. Persons not accepted to an examination or removed from an eligible list may file a written appeal (including the basis upon which the appeal is made), which must be received by the City Service Commission no later than ten calendar days after the rejection notice was mailed.

APPLICATIONS and further information may be obtained from www.milwaukee.gov/der, in person or via mail from City of Milwaukee Department of Employee Relations, Room 706, City Hall, 200 E Wells St, Milwaukee, WI 53202-3554, or by calling 414.286.3751.